Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa Layout And Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

PRE-MEASURMENT SHEETS

SECOND AND FINAL BILL

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Detailed Measurements									
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19.	It No.	19.10	Pg No.	130					
	New CC Drain									
	Chandrappa Layout									
	2nd Main 2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 19.1m		1	19.10	1.00	0.90	17.19			
	Ch.19.1 to 21.6m		1	2.50	1.00	0.90	2.25			
	Ch.21.6 to 37.3m		1	15.70	1.00	0.90	14.13			
	Ch.37.3 to 42.3m		1	5.00	1.00	0.90	4.50			
	Ch.42.3 to 48.8m		1	6.50	1.00	0.90	5.85			
	Ch.48.8 to 55.8m		1	7.00	1.00	0.90	6.30			
	Ch.55.8 to 58.8m		1	3.00	1.00	0.90	2.70			
	Ch.58.8 to 88.8m		1	30.00	1.00	0.90	27.00			
	Ch.88.8 to 101.3m		1	12.50	1.00	0.90	11.25			
	2nd Main 3rd Cross Road									
	RHS From main road									
	Ch.0.00 to 26.8m		1	26.80	1.00	0.90	24.12			
	Aditya Nagar-2									
	1st Cross Road									
	LHS From main road									
	Ch.0.00 to 28.5m		1	28.50	1.00	0.90	25.65			
	Ch.28.5 to 43.7m		1	15.20	1.00	0.90	13.68			
	RHS From End									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 51.8m		1	21.80	1.00	0.90	19.62			
	2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 56.6m		1	26.60	1.00	0.90	23.94			
	Ch.56.6 to 59.6m		1	3.00	1.00	0.90	2.70			
	Ch.59.6 to 75.6m		1	16.00	1.00	0.90	14.40			
	RHS From End									
	Ch.0.00 to 3.0m		1	3.00	1.00	0.90	2.70			
	Ch.3.0 to 33.0m		1	30.00	1.00	0.90	27.00			
	Ch.33.0 to 60.3m		1	30.00	1.00	0.90	27.00			
	Ch.60.3 to 75.6m		1	15.30	1.00	0.90	13.77			
	3rd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.90	27.00			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.90	27.00			
	Ch.90.0 to 100.0m		1	10.00	1.00	0.90	9.00			
	RHS From end									
	Ch.0.00 to 16.3m		1	16.30	1.00	0.90	14.67			
	Ch.16.3 to 28.6m		1	12.30	1.00	0.90	11.07			

	Ch.28.6 to 58.6m		1	30.00	1.00	0.90	27.00			
	Ch.58.6 to 88.6m		1	30.00	1.00	0.90	27.00			
	Ch.88.6 to 102.9m		1	14.30	1.00	0.90	12.87			
	1st Main Road									
	LHS									
	Ch.0.00 to 14.7m									
	Ch.14.7 to 17.7m		1	14.70	1.00	0.90	13.23			
	Ch.17.7 to 26.7m		1	3.70	1.00	0.90	3.33			
	Road Gap		1	9.80	1.00	0.90	8.82			
	Ch.0.00 to 27.0m									
	Road Gap		1	27.00	1.00	0.90	24.30			
	Ch.0.00 to 8.4m									
	Ch.8.4 to 23.4m		1	8.40	1.00	0.90	7.56			
	Ch.23.4 to 28.4m		1	15.00	1.00	0.90	13.50			
	RHS		1	5.00	1.00	0.90	4.50			
	Ch.0.00 to 30.0m									
	Ch.30.0 to 60.0m		1	30.00	1.00	0.90	27.00			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.90	27.00			
	Ch.90.0 to 102.0m		1	30.00	1.00	0.90	27.00			
	9th Main 2nd Cross Road		1	12.00	1.00	0.90	10.80			
	LHS									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.90	27.00			
	Ch.60.0 to 76.0m		1	16.00	1.00	0.90	14.40			
	RHS									
	Ch.0.00 to 30.0m		1	28.00	1.00	0.90	25.20			
	Road Gap									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 60.0m		1	13.00	1.00	0.90	11.70			
	Cross Road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.90	27.00			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.90	27.00			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.90	27.00			
	Ch.90.0 to 105.0m		1	15.00	1.00	0.90	13.50			
						Present Qty	916.2			
						Quantity limited to	**912.86**	**Cum**	**211.79**	**193334.00**

Contractor PMC Assistant Engineer Asst. Executive Engineer

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2018-19. It No. 34.1 Pg No. 254									
	New CC Drain									
	Chandrappa Layout									
	2nd Main 2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 19.1m		1	19.10	1.00	0.15	2.87			
	Ch.19.1 to 21.6m		1	2.50	1.00	0.15	0.38			
	Ch.21.6 to 37.3m		1	15.70	1.00	0.15	2.36			
	Ch.37.3 to 42.3m		1	5.00	1.00	0.15	0.75			
	Ch.42.3 to 48.8m		1	6.50	1.00	0.15	0.98			
	Ch.48.8 to 55.8m		1	7.00	1.00	0.15	1.05			
	Ch.55.8 to 58.8m		1	3.00	1.00	0.15	0.45			
	Ch.58.8 to 88.8m		1	30.00	1.00	0.15	4.50			
	Ch.88.8 to 101.3m		1	12.50	1.00	0.15	1.88			
	2nd Main 3rd Cross Road									
	RHS From main road									
	Ch.0.00 to 26.8m		1	26.80	1.00	0.15	4.02			
	Aditya Nagar-2									
	1st Cross Road									
	LHS From main road									
	Ch.0.00 to 28.5m		1	28.50	1.00	0.15	4.28			
	Ch.28.5 to 43.7m		1	15.20	1.00	0.15	2.28			
	RHS From End									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 51.8m		1	21.80	1.00	0.15	3.27			
	2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 56.6m		1	26.60	1.00	0.15	3.99			
	Ch.56.6 to 59.6m		1	3.00	1.00	0.15	0.45			
	Ch.59.6 to 75.6m		1	16.00	1.00	0.15	2.40			
	RHS From End									
	Ch.0.00 to 3.0m		1	3.00	1.00	0.15	0.45			
	Ch.3.0 to 33.0m		1	30.00	1.00	0.15	4.50			
	Ch.33.0 to 60.3m		1	30.00	1.00	0.15	4.50			
	Ch.60.3 to 75.6m		1	15.30	1.00	0.15	2.30			
	3rd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.15	4.50			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.15	4.50			
	Ch.90.0 to 100.0m		1	10.00	1.00	0.15	1.50			
	RHS From end									
	Ch.0.00 to 16.3m		1	16.30	1.00	0.15	2.45			
	Ch.16.3 to 28.6m		1	12.30	1.00	0.15	1.85			
	Ch.28.6 to 58.6m		1	30.00	1.00	0.15	4.50			

Material Test House Pvt. Ltd. ★ Bangalore ★

	Ch.58.6 to 88.6m									
	Ch.88.6 to 102.9m		1	30.00	1.00	0.15	4.50			
	1st Main Road		1	14.30	1.00	0.15	2.15			
	LHS									
	Ch.0.00 to 14.7m									
	Ch.14.7 to 17.7m		1	14.70	1.00	0.15	2.21			
	Ch.17.7 to 26.7m		1	3.70	1.00	0.15	0.56			
	Road Gap		1	9.80	1.00	0.15	1.47			
	Ch.0.00 to 27.0m									
	Road Gap		1	27.00	1.00	0.15	4.05			
	Ch.0.00 to 8.4m									
	Ch.8.4 to 23.4m		1	8.40	1.00	0.15	1.26			
	Ch.23.4 to 28.4m		1	15.00	1.00	0.15	2.25			
	RHS		1	5.00	1.00	0.15	0.75			
	Ch.0.00 to 30.0m									
	Ch.30.0 to 60.0m		1	30.00	1.00	0.15	4.50			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.15	4.50			
	Ch.90.0 to 102.0m		1	30.00	1.00	0.15	4.50			
	9th Main 2nd Cross Road		1	12.00	1.00	0.15	1.80			
	LHS									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.15	4.50			
	Ch.60.0 to 76.0m		1	16.00	1.00	0.15	2.40			
	RHS									
	Ch.0.00 to 30.0m		1	28.00	1.00	0.15	4.20			
	Road Gap									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 60.0m		1	13.00	1.00	0.15	1.95			
	Cross Road									
	Ch.0.00 to 30.0m		1	30.00	1.00	0.15	4.50			
	Ch.30.0 to 60.0m		1	30.00	1.00	0.15	4.50			
	Ch.60.0 to 90.0m		1	30.00	1.00	0.15	4.50			
	Ch.90.0 to 105.0m		1	15.00	1.00	0.15	2.25			
						Present Qty	152.70			
						Quantity limited to	148.60	Cum	4479.56	665659.00

Contractor

PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಸಮಗ್ರ ವಿಭಾಗ.
ಬಿ.ಡಿ.ಎ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Discription of Item	Detailed Measurements							
		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. S.R 2018-19. It No. 34.1 Pg No. 254								KPWD
	Chandrappa Layout								
	2nd Main 2nd Cross road								
	Total drain length=96.3m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=741.00Nos	741	1.95		0.60	866.70			
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr	16	96.3		0.60	924.48			
	2nd Main 3rd Cross road								
	Total drain length=26.8m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=206.00Nos	206	1.95		0.60	241.20			
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr	16	26.8		0.60	257.28			
	Aditya Nagar-2								
	1st Cross Road								
	Total drain length=80.3m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=618.00Nos	618	1.95		0.60	722.70			
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr	16	80.3		0.60	770.88			
	2nd Cross Road								
	Total drain length=147.9m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=1138.00Nos	1138	1.95		0.60	1331.10			
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr	16	147.9		0.60	1419.84			
	3rd Cross Road								
	Total drain length=190.6m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=1466.00Nos	1466	1.95		0.60	1715.40			
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr	16	260.9		0.60	2504.64			

Karnataka Material Test House Pvt. Ltd. Bangalore

1st Main Road									
Total drain length=173.5m									
Main bar 10mm dia bar @ 130mm									
0.60kg/mtr									
No of U-bar=1335.00Nos		1335	1.95		0.60	1561.50			
Distribution bar									
Distribution bar 08mm dia @ 150mm									
0.60kg/mtr		16	173.5		0.6	1665.6			
9th Main 2nd Cross Road									
Total drain length=147.0m									
Main bar 10mm dia bar @ 130mm									
0.60kg/mtr									
No of U-bar=1131.00Nos		1131	1.95		0.60	1323.00			
Distribution bar									
Distribution bar 08mm dia @ 150mm									
0.60kg/mtr		16	147		0.6	1411.2			
Cross Road									
Total drain length=105m									
Main bar 10mm dia bar @ 130mm									
0.60kg/mtr									
No of U-bar=808.00Nos		808	1.95		0.60	945.00			
Distribution bar									
Distribution bar 08mm dia @ 150mm									
0.60kg/mtr		16	105		0.6	1008			
						18668.52			
					Present Qty	18.67			
					Quantity limited to	18.65	T	72326.98	1348857.00

Contractor

Assistant Engineer

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ಯಲಹಂಕ ಉಪವಿಭಾಗ.
Asst. Executive Engineer
ಬ.ಬ.ಪಾ.ಕ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Discription of Item	Detailed Measurements							Rate	Amount
			No	Length	Breadth	Depth	Qty	Unit		
4	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200.									
	KPWD S.R 2018-19	It No.	37.59.2.		Pg No.	271				
	New CC Drain									
	Bottom Raft									
	Chandrappa Layout									
	2nd Main 2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 19.1m		1	19.10	0.90	0.15	2.58			
	Ch.19.1 to 21.6m		1	2.50	0.90	0.15	0.34			
	Ch.21.6 to 37.3m		1	15.70	0.90	0.15	2.12			
	Ch.37.3 to 42.3m		1	5.00	0.90	0.15	0.68			
	Ch.42.3 to 48.8m		1	6.50	0.90	0.15	0.88			
	Ch.48.8 to 55.8m		1	7.00	0.90	0.15	0.95			
	Ch.55.8 to 58.8m		1	3.00	0.90	0.15	0.41			
	Ch.58.8 to 88.8m		1	30.00	0.90	0.15	4.05			
	Ch.88.8 to 101.3m		1	12.50	0.90	0.15	1.69			
	2nd Main 3rd Cross Road									
	RHS From main road									
	Ch.0.00 to 26.8m		1	26.80	0.90	0.15	3.62			
	Aditya Nagar-2									
	1st Cross Road									
	LHS From main road									
	Ch.0.00 to 28.5m		1	28.50	0.90	0.15	3.85			
	Ch.28.5 to 43.7m		1	15.20	0.90	0.15	2.05			
	RHS From End									
	Ch.0.00 to 30.0m		1	30.00	0.90	0.15	4.05			
	Ch.30.0 to 51.8m		1	21.80	0.90	0.15	2.94			
	2nd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	0.90	0.15	4.05			
	Ch.30.0 to 56.6m		1	26.60	0.90	0.15	3.59			
	Ch.56.6 to 59.6m		1	3.00	0.90	0.15	0.41			
	Ch.59.6 to 75.6m		1	16.00	0.90	0.15	2.16			
	RHS From End									
	Ch.0.00 to 3.0m		1	3.00	0.90	0.15	0.41			
	Ch.3.0 to 33.0m		1	30.00	0.90	0.15	4.05			
	Ch.33.0 to 60.3m		1	30.00	0.90	0.15	4.05			
	Ch.60.3 to 75.6m		1	15.30	0.90	0.15	2.07			
	3rd Cross Road									
	LHS from main road									
	Ch.0.00 to 30.0m		1	30.00	0.90	0.15	4.05			
	Ch.30.0 to 60.0m		1	30.00	0.90	0.15	4.05			
	Ch.60.0 to 90.0m		1	30.00	0.90	0.15	4.05			

Ch.90.0 to 100.0m								
RHS From end		1	10.00	0.90	0.15	1.35		
Ch.0.00 to 16.3m								
Ch.16.3 to 28.6m		1	16.30	0.90	0.15	2.20		
Ch.28.6 to 58.6m		1	12.30	0.90	0.15	1.66		
Ch.58.6 to 88.6m		1	30.00	0.90	0.15	4.05		
Ch.88.6 to 102.9m		1	30.00	0.90	0.15	4.05		
1st Main Road		1	14.30	0.90	0.15	1.93		
LHS								
Ch.0.00 to 14.7m								
Ch.14.7 to 17.7m		1	14.70	0.90	0.15	1.98		
Ch.17.7 to 26.7m		1	3.70	0.90	0.15	0.50		
Road Gap		1	9.80	0.90	0.15	1.32		
Ch.0.00 to 27.0m								
Road Gap		1	27.00	0.90	0.15	3.65		
Ch.0.00 to 8.4m								
Ch.8.4 to 23.4m		1	8.40	0.90	0.15	1.13		
Ch.23.4 to 28.4m		1	15.00	0.90	0.15	2.03		
RHS		1	5.00	0.90	0.15	0.68		
Ch.0.00 to 30.0m								
Ch.30.0 to 60.0m		1	30.00	0.90	0.15	4.05		
Ch.60.0 to 90.0m		1	30.00	0.90	0.15	4.05		
Ch.90.0 to 102.0m		1	30.00	0.90	0.15	4.05		
9th Main 2nd Cross Road		1	12.00	0.90	0.15	1.62		
LHS								
Ch.0.00 to 30.0m								
Ch.30.0 to 60.0m		1	30.00	0.90	0.15	4.05		
Ch.60.0 to 76.0m		1	30.00	0.90	0.15	4.05		
RHS		1	16.00	0.90	0.15	2.16		
Ch.0.00 to 30.0m								
Road Gap		1	28.00	0.90	0.15	3.78		
Ch.0.00 to 30.0m								
Ch.30.0 to 60.0m		1	30.00	0.90	0.15	4.05		
Cross Road		1	13.00	0.90	0.15	1.76		
Ch.0.00 to 30.0m								
Ch.30.0 to 60.0m		1	30.00	0.90	0.15	4.05		
Ch.60.0 to 90.0m		1	30.00	0.90	0.15	4.05		
Ch.90.0 to 105.0m		1	30.00	0.90	0.15	4.05		
Side Wall		1	15.00	0.90	0.15	2.03		
Chandrappa Layout								
2nd Main 2nd Cross Road								
LHS from main road		2	19.10	0.15	0.60	3.44		
Ch.0.00 to 19.1m		2	2.50	0.15	0.60	0.45		
Ch.19.1 to 21.6m		2	15.70	0.15	0.60	2.83		
Ch.21.6 to 37.3m		2	5.00	0.00	0.00	0.00		
Ch.37.3 to 42.3m		2	6.50	0.15	0.60	1.17		
Ch.42.3 to 48.8m		2	7.00	0.15	0.60	1.26		
Ch.48.8 to 55.8m		2	3.00	0.15	0.52	0.47		
Ch.55.8 to 58.8m		2	30.00	0.15	0.60	5.40		
Ch.58.8 to 88.8m		2	12.50	0.15	0.60	2.25		
Ch.88.8 to 101.3m								
2nd Main 3rd Cross Road								
RHS From main road		2	26.80	0.15	0.58	4.66		
Ch.0.00 to 26.8m								
Aditya Nagar-2								

Material Test House Pvt. Ltd. Bangalore

1st Cross Road										
LHS From main road										
Ch.0.00 to 28.5m										
Ch.28.5 to 43.7m		2	28.50	0.15	0.60	5.13				
RHS From End		2	15.20	0.15	0.60	2.74				
Ch.0.00 to 30.0m		2								
Ch.30.0 to 51.8m		2	30.00	0.15	0.59	5.31				
2nd Cross Road		2	21.80	0.15	0.59	3.86				
LHS from main road										
Ch.0.00 to 30.0m										
Ch.30.0 to 56.6m		2	30.00	0.15	0.56	5.04				
Ch.56.6 to 59.6m		2	26.60	0.15	0.56	4.47				
Ch.59.6 to 75.6m		2	3.00	0.00	0.56	0.00				
RHS From End		2	16.00	0.15	0.56	2.69				
Ch.0.00 to 3.0m										
Ch.3.0 to 33.0m		2	3.00	0.15	0.60	0.54				
Ch.33.0 to 60.3m		2	30.00	0.15	0.60	5.40				
Ch.60.3 to 75.6m		2	30.00	0.15	0.60	5.40				
3rd Cross Road		2	15.30	0.15	0.60	2.75				
LHS from main road										
Ch.0.00 to 30.0m		2	30.00	0.15	0.59	5.31				
Ch.30.0 to 60.0m		2	30.00	0.15	0.59	5.31				
Ch.60.0 to 90.0m		2	30.00	0.15	0.59	5.31				
Ch.90.0 to 100.0m		2	10.00	0.15	0.59	1.77				
RHS From end										
Ch.0.00 to 16.3m		2	16.30	0.15	0.60	2.93				
Ch.16.3 to 28.6m		2	12.30	0.15	0.60	2.21				
Ch.28.6 to 58.6m		2	30.00	0.15	0.60	5.40				
Ch.58.6 to 88.6m		2	30.00	0.15	0.60	5.40				
Ch.88.6 to 102.9m		2	14.30	0.15	0.60	2.57				
1st Main Road										
LHS										
Ch.0.00 to 14.7m		2	14.70	0.15	0.57	2.51				
Ch.14.7 to 17.7m		2	3.70	0.15	0.57	0.63				
Ch.17.7 to 26.7m		2	9.80	0.15	0.57	1.68				
Road Gap		2								
Ch.0.00 to 27.0m		2	27.00	0.15	0.60	4.86				
Road Gap										
Ch.0.00 to 8.4m		2	8.40	0.15	0.58	1.46				
Ch.8.4 to 23.4m		2	15.00	0.15	0.58	2.61				
Ch.23.4 to 28.4m		2	5.00	0.15	0.58	0.87				
RHS										
Ch.0.00 to 30.0m		2	30.00	0.15	0.60	5.40				
Ch.30.0 to 60.0m		2	30.00	0.15	0.60	5.40				
Ch.60.0 to 90.0m		2	30.00	0.15	0.60	5.40				
Ch.90.0 to 102.0m		2	12.00	0.15	0.60	2.16				
9th Main 2nd Cross Road										
LHS										
Ch.0.00 to 30.0m		2	30.00	0.15	0.60	5.40				
Ch.30.0 to 60.0m		2	30.00	0.15	0.60	5.40				
Ch.60.0 to 76.0m		2	16.00	0.15	0.60	2.88				

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RHS									
Ch.0.00 to 30.0m									
Road Gap		2	28.00	0.15	0.60	5.04			
Ch.0.00 to 30.0m									
Ch.30.0 to 60.0m		2	30.00	0.15	0.60	5.40			
Cross Road		2	13.00	0.15	0.60	2.34			
Ch.0.00 to 30.0m									
Ch.30.0 to 60.0m		2	30.00	0.15	0.60	5.40			
Ch.60.0 to 90.0m		2	30.00	0.15	0.60	5.40			
Ch.90.0 to 105.0m		2	30.00	0.15	0.60	5.40			
		2	15.00	0.15	0.60	2.70			
					Present Qty	317.25			
					Quantity limited to	312.47	Cum	7070.20	2209244.00

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಾಣದ ಲೆಕ್ಕಪತ್ರಗಳ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-105

SECOND AND FINAL BILL

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa Layout And Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

MEASURMENT SHEETS

"SECOND AND FINAL BILL"

Name of Work: **Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurment

Detailed Measurments

Item No	Discription of Item			Unit	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19. It No. 19.10 Pg No. 130					
		Present Qty	**912.86**	**Cum**	**211.79**	**193334.00**
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2019-19. It No. 34.1 Pg No. 254					
		Present Qty	**148.60**	**Cum**	**4479.56**	**665659.00**
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. KPWD S.R 2018-19. It No. 34.1 Pg No. 254					
		Present Qty	**18.65**	**Cum**	**72326.98**	**1348857.00**
4	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200. KPWD S.R 2018-19 It No. 37.59.2. Pg No. 271					
		Present Qty	**312.47**	**Cum**	**7070.20**	**2209244.00**

Contractor PMC Assistant Engineer Asst. Executive Engineer

Name of Work: Construction of RCC Drains and Culverts at Aditya Nagar, Chandrappa layout And Surrounding area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Description of Item	Detailed Measurements						Rate	Amount
		No	Length	Breadth	Depth	Qty	Unit		
5	Supplying and Fixing Precast reinforced concrete slab 10cm thick of mix M20 using reinforcement 10mm dia steel at 150c/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynance charges, labour charges inclusive of cost of all materials.								
	New CC Drain								
	Chandrappa Layout								
	2nd Main 2nd Cross Road								
	LHS from main road								
	Ch.0.00 to 19.1m	1	19.10	0.90		17.19			
	Ch.19.1 to 21.6m	1	2.50	0.90		2.25			
	Ch.21.6 to 37.3m	1	15.70	0.90		14.13			
	Ch.37.3 to 42.3m	1	5.00	0.90		4.50			
	Ch.42.3 to 48.8m	1	6.50	0.90		5.85			
	Ch.48.8 to 55.8m	1	7.00	0.90		6.30			
	Ch.55.8 to 58.8m	1	3.00	0.90		2.70			
	Ch.58.8 to 88.8m	1	30.00	0.90		27.00			
	Ch.88.8 to 101.3m	1	12.50	0.90		11.25			
	2nd Main 3rd Cross Road								
	RHS From main road								
	Ch.0.00 to 26.8m	1	26.80	0.90		24.12			
	Aditya Nagar-2								
	1st Cross Road								
	LHS From main road								
	Ch.0.00 to 28.5m	1	28.50	0.60		17.10			
	Ch.28.5 to 43.7m	1	15.20	0.60		9.12			
	RHS From End								
	Ch.0.00 to 30.0m		30.00	0.60		18.00			
	Ch.30.0 to 51.8m		21.80	0.60		13.08			
	2nd Cross Road								
	LHS from main road								
	Ch.0.00 to 30.0m	1	30.00	0.90		27.00			
	Ch.30.0 to 56.6m	1	26.60	0.90		23.94			
	Ch.56.6 to 59.6m	1	3.00	0.90		2.70			
	Ch.59.6 to 75.6m	1	16.00	0.90		14.40			
	RHS From End								
	Ch.0.00 to 3.0m	1	3.00	0.90		2.70			
	Ch.3.0 to 33.0m	1	30.00	0.90		27.00			
	Ch.33.0 to 60.3m	1	30.00	0.90		27.00			
	Ch.60.3 to 75.6m	1	15.30	0.90		13.77			
	3rd Cross Road								
	LHS from main road								
	Ch.0.00 to 30.0m	1	30.00	0.60		18.00			

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Ch.30.0 to 60.0m		1	30.00	0.60		18.00			
Ch.60.0 to 90.0m		1	30.00	0.60		18.00			
Ch.90.0 to 100.0m		1	10.00	0.60		6.00			
RHS From end									
Ch.0.00 to 16.3m		1	16.30	0.60		9.78			
Ch.16.3 to 28.6m		1	12.30	0.60		7.38			
Ch.28.6 to 58.6m		1	30.00	0.60		18.00			
Ch.58.6 to 88.6m		1	30.00	0.60		18.00			
Ch.88.6 to 102.9m		1	14.30	0.60		8.58			
1st Main Road									
LHS									
Ch.0.00 to 14.7m		1	14.70	0.60		8.82			
Ch.14.7 to 17.7m		1	3.70	0.60		2.22			
Ch.17.7 to 26.7m		1	9.80	0.60		5.88			
Road Gap									
Ch.0.00 to 27.0m		1	27.00	0.60		16.20			
Road Gap									
Ch.0.00 to 8.4m		1	8.40	0.60		5.04			
Ch.8.4 to 23.4m		1	15.00	0.60		9.00			
Ch.23.4 to 28.4m		1	5.00	0.60		3.00			
RHS									
Ch.0.00 to 30.0m		1	30.00	0.60		18.00			
Ch.30.0 to 60.0m		1	30.00	0.60		18.00			
Ch.60.0 to 90.0m		1	30.00	0.60		18.00			
Ch.90.0 to 102.0m		1	12.00	0.60		7.20			
9th Main 2nd Cross Road									
LHS									
Ch.0.00 to 30.0m		1	30.00	0.90		27.00			
Ch.30.0 to 60.0m		1	30.00	0.90		27.00			
Ch.60.0 to 76.0m		1	16.00	0.90		14.40			
RHS									
Ch.0.00 to 30.0m		1	28.00	0.90		25.20			
Road Gap									
Ch.0.00 to 30.0m		1	30.00	0.90		27.00			
Ch.30.0 to 60.0m		1	13.00	0.90		11.70			
Cross Road									
Ch.0.00 to 30.0m		1	30.00	0.90		27.00			
Ch.30.0 to 60.0m		1	30.00	0.90		27.00			
Ch.60.0 to 90.0m		1	30.00	0.90		27.00			
Ch.90.0 to 105.0m		1	15.00	0.90		13.50			
	Missing Slabs	44	0.60	0.90		23.76			
					Present Qty	794.76			
					Quantity limited to	793.98	Cum	2337.00	1855532.00
								Total	6272626.00
								12% GST	752716.00
								4% KRIDL	250906.00
								Grand Total	7276248.00

Contractor

Assistant Engineer

Executive Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಡಿ.ಎ.ಸಿ.ಎ. ಬೆಂಗಳೂರು-೧೮